

2002 HERRING SUMMIT AND PACIFIC COAST HERRING WORKSHOP

June 11-13, 2002

Bellingham, Washington

AGENDA

June 11

8:00 a.m. Registration and refreshments

9:00 Introduction – Dr. Jeffrey Koenings, Director, Washington Department of Fish and Wildlife

9:15-11:45 Session 1 Effects Of Contaminants On Herring

Causes of developmental abnormalities among herring larvae—Paul Hershberger, University of Washington

Development of a embryo larval Pacific herring bioassay protocols—Paul Dinnel, Rich Haley and Bo Keopaseut, Shannon Pt. Lab; and Doug Middaugh, retired EPA

Environmental factors affecting fertilization and early development in Pacific herring in the San Francisco estuary—Gary Cherr, University of California, Bodega Bay

Effects of salinity on larval survival and behavior in San Francisco Bay Pacific herring—Fred Griffin, University of California, Bodega Bay

11:45- 1:00 p.m. Lunch (on your own)

1:00-3:00 Session 1 continued

Potential effects of PAH and temperatures on Cherry Point herring—uncertainties in laboratory and field studies—Michael Salazar and Sandra Salazar, Applied Biomonitoring

Experimental characterization of contaminants in effluents from artificially weathered oil on gravel—Walter Pearson, Battelle Northwest

Review of hypotheses concerning recovery of Prince William Sound herring—Walter Pearson, Battelle Northwest

Organic contamination in whole bodies of Pacific herring (*Clupea pallasii*) in Puget Sound, Washington and the Strait of Georgia: evidence of localized contamination of the pelagic food web—Sandie O'Neill and James West, Washington Department of Fish and Wildlife and Gina Ylitalo, National Marine Fisheries Service

3:00-3:15 Break

3:15-5:15 Organic contaminants in spawned and ovarian eggs of Pacific herring (*Clupea pallasii*) in Puget Sound, Washington: evidence of maternal and environmental exposure—Jim West, , Sandie O'Neill and Dan Doty, Washington Department of Fish and Wildlife

Herring research at NOAA—Tracy Collier, John Incardona, and Carla Stehr, National Marine Fisheries Service

The three facts about herring and the Exxon Valdez oil spill—Jeep Rice, National Marine Fisheries Service

Delayed effects of oil on fitness in herring and pink salmon following exposures as eggs—Jeep Rice, National Marine Fisheries Service

5:15-6:15 Social Gathering

June 12

8:00 a.m. Refreshments and registration

8:15-10:30 Session 2 Herring Stock Identification (genetic studies, isotope studies)

Work on stock identification in Washington herring—Jim Shaklee, Washington Department of Fish and Wildlife

Summary of herring molecular genetics survey—Terry Beacham, Department of Fisheries and Oceans

Stock structure of herring in the northeast Atlantic: choosing and using molecular markers – Lorenz Hauser – University of Washington

Use of stable isotopes to identify herring stocks—Yongwen Gao, Makah Tribe and Greg Bargmann, Washington Department of Fish and Wildlife

Application of coded-wire tagging technology with Pacific herring to investigate stock structure and dispersal—Linnea Flostrand and Jake Schweigert, Department of Fisheries and Oceans

10:30-10:45 Break

10:45-11:45 Session 3 Risk Assessment for Pacific Herring

Status review of Pacific herring in Puget Sound—Rick Methot, National Marine Fisheries Service

A Monte Carlo approach to herring weight of evidence—Wayne Landis, Western Washington University

11:45-1:00 Lunch (on your own)

1:00-2:15 Session 4 The Environment of Pacific Herring

Importance of Pacific herring in the diet of marine mammals and seabirds in Puget Sound—Steve Jeffries and Monique Lance, Washington Department of Fish and Wildlife

Research on diseases of Pacific herring—Paul Hershberger, University of Washington

2:15-2:45 Session 5 Websites

An overview of the British Columbia herring website—Kristen Daniel, Department of Fisheries and Oceans

2:45-3:00 Break

3:00-3:30 Session 6 Effects Of Climate And Oceanography On Herring Abundance

On the attempt of stock enhancement by releasing critical mass seedlings—Dr. Tokimasa Kobayashi, Fisheries Agency of Japan

3:30-5:15 Session 7 The Causes Of The Decline Of Herring At Cherry Point, Washington (a round table on theories of the decline of this spawning stock)

Stock status of Pacific herring in Washington State with emphasis on Cherry Point spawning group—Kurt Stick, Washington Department of Fish and Wildlife

Pacific herring spawning habitat on the Cherry Point reach—Michelle Evans and Michael Kyte, Golder Associates

Cherry Point herring and Strait of Georgia copepods—Randall Marshall,
Department of Ecology

Discussion

June 13

8:00 a.m. Refreshments and registration

8:30 Session 8 The Status Of Pacific Herring
(Stock abundance, fisheries, research, and new
developments)

Oregon – Greg Bargmann, Washington Department of Fish and Wildlife

California – Greg Bargmann, Washington Department of Fish and Wildlife

On the status of herring stocks and stock structure in northern Japan –
Toki Kobayashi, Fisheries Agency of Japan

British Columbia herring assessment and stock status—Jake Schweigert,
Department of Fisheries and Oceans

A review of the British Columbia spawn on kelp fishery—Mark Potyrala,
Department of Fisheries and Oceans

Recent developments in the management of British Columbia herring—
Diana Trager, Department of Fisheries and Oceans

Alaska

12:00 p.m. Adjourn

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